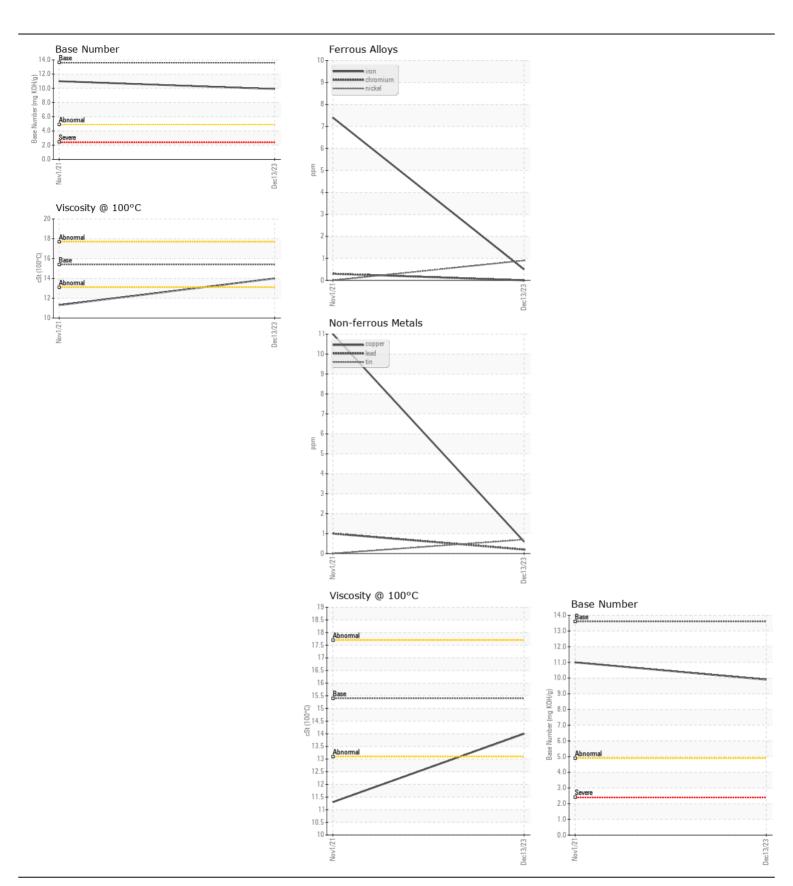
**WEAR CONTAMINATION FLUID CONDITION** 

**NORMAL NORMAL NORMAL** 

## JOHN DEERE 1023E 1LV1023EALK137387

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
Resample at the next service interval to monitor.	Sample Number		Client Info		JR0189707	JR0093391	
	Sample Date		Client Info		13 Dec 2023	01 Nov 2021	
	Machine Age	hrs	Client Info		23	8	
	Oil Age	hrs	Client Info		0	8	
	Filter Age	hrs	Client Info		0	8	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		N/A	Changed	
	Sample Status				NORMAL	ATTENTION	
/EAR	Iron	ppm	ASTM D5185m	<b>\51</b>	<1	7	
TEAT	Chromium	ppm	ASTM D5185m		0	, <1	
Metal levels are typical for a new component breaking in.	Nickel		ASTM D5185m		<1	0	
	Titanium	ppm	ASTM D5185m	>0	0	<1	
	Silver		ASTM D5185m	. 2	0	0	
	Aluminum	ppm	ASTM D5185m			5	
	Lead	ppm			4		
		ppm	ASTM D5185m ASTM D5185m		<1 <1	1	
	Copper Tin	ppm				11 0	
		ppm	ASTM D5185m	>4	<1		
	Vanadium	ppm	ASTM D5185m	NONE	<1 NONE	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
ONTAMINATION	Silicon	ppm	ASTM D5185m	>22	9	56	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	0	<1	
	Fuel		WC Method	>2.1	<1.0	0.5	
	Water		WC Method	>0.21	NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844	>3	0	0.1	
	Nitration	Abs/cm	*ASTM D7624	>20	5.6	5.9	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.1	19.2	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	<b>Emulsified Water</b>	scalar	*Visual	>0.21	NEG	NEG	
LUD CONDITION	Codium		ACTM DE10Em	. 01	•	10	
LUID CONDITION	Sodium Boron	ppm	ASTM D5185m ASTM D5185m	<i>&gt;</i> 01	0 245	13 210	
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	5	
		ppm					
	Molybdenum	ppm	ASTM D5185m		225	201	
	Manganese	ppm	ASTM D5185m		<1 750	1	
	Magnesium	ppm	ASTM D5185m		758	682	
	Calcium	ppm	ASTM D5185m		1303	2028	
	Phosphorus	ppm	ASTM D5185m		836	891	
	Zinc	ppm	ASTM D5185m		1032	1010	
	Sulfur	ppm	ASTM D5185m	05	2910	4701	
	Oxidation	Abs/.1mm	*ASTM D7414		14.3	14	
	Base Number (BN)	ma K()H/a	ASTM D2896	13.6	9.9	11	







Laboratory Sample No. Lab Number

: JR0189707 : 06057933 Unique Number : 10829315

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Recieved : 11 Jan 2024 Diagnosed

: 12 Jan 2024 Diagnostician : Wes Davis

Test Package : CONST (Additional Tests: TBN) To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) JRE - LA CROSSE 38431 HWY 58

LA CROSSE, VA US 23950-1807 Contact: HUNTER GREEN

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